

1 **ABSTRACT OF THE DISCLOSURE**

2 The present invention includes methods of increasing the power
3 handling capability of a power line. One method of the present
4 invention includes providing a conductor configured to transmit energy
5 intermediate plural locations; supporting the conductor at a plurality of
6 positions intermediate the locations, the supporting at a plurality of
7 positions defining a plurality of spans of the conductor; creating a
8 model of the conductor; identifying a critical span; altering the modelled
9 conductor responsive to the identifying; and analyzing the modelled
10 conductor following the altering.

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